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मानक

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IS 12058 (1987): Slide Plates for Sewing Machines for Household Purposes [MED 29: Sewing Machines]



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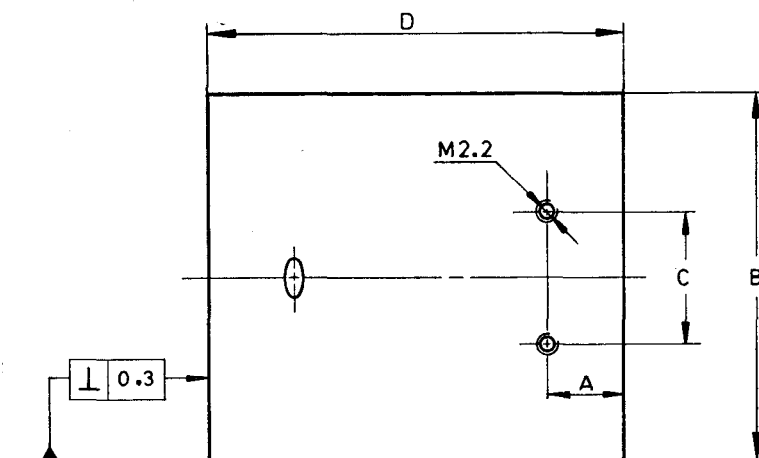
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Indian Standard

SPECIFICATION FOR SLIDE PLATES FOR SEWING MACHINES FOR HOUSEHOLD PURPOSES

1. **Scope** — Lays down requirements for slide plates for sewing machine for household purposes.
2. **Material** — The slide plate shall be made from steel sheet conforming to grade 'O' of IS:513-1973 'Specification for cold rolled carbon steel sheets'.
3. **Dimensions and Tolerances** — Shall be as shown in Fig. 1.



All dimensions in millimetres.

	A	B	C	D
Type A	13.13 $_{-0.26}^0$	63.90 $_{-0.20}^0$	23.08 $_{-0.16}^0$	73.20 $_{-0.40}^0$
Type B	12.83 $_{-0.26}^0$	63.50 $_{-0.20}^0$	22.94 $_{-0.16}^0$	71.35 $_{-0.40}^0$

FIG. 1 DIMENSIONS FOR SLIDE PLATE FOR SEWING MACHINE

4. Construction and Functions

- 4.1 Play of slide plate shall be at a minimum when fitted to bed.
- 4.2 Surfaces of the slide plate shall not project above the surface of the needle plate.
- 4.3 The edges of the top surfaces shall be smoothly chamfered.
- 4.4 Slide plate spring shall function properly.

5. Workmanship and Finish

- 5.1 The slide plate shall be of superior finish, free from cracks, flaws burrs and rust.
- 5.2 The slide plate shall be nickel-chrome plated in accordance with IS:1068-1985 'Electroplated coating nickel plus chromium and copper plus nickel plus chromium on iron and steel (second revision)'.
 - 5.2.1 The thickness of plating shall conform to service grade 3.
- 5.3 Plated surface shall be smooth and allow smooth feeding of fabrics.
 - 5.3.1 Colour and lustre of plated surface shall be satisfactory and free from unevenness.

6. Marking — The slide plate shall be marked with the manufacturer's name or trade-mark, if required.

6.1 Certification Marking — Details available with the Bureau of Indian Standards.

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7. Packing — Each slide plate shall be given a suitable anti-rust coating. The wrapped slide plates shall be securely packed in accordance with best prevalent trade practice. Each package shall bear the manufacturer's name, trade-mark and the description of contents.

8. Sampling

8.1 Unless otherwise agreed to between the supplier and the purchaser, the sampling plan as given in Appendix A shall be followed. For further information, reference may be made to IS:2500 (Part 1)-1973 'Sampling inspection tables: Part 1 Inspection by attributes and by count of defects'.

APPENDIX A

SCALE OF SAMPLING AND CRITERIA FOR CONFORMITY

A-1. Scale of Sampling

A-1.1 Lot — In any consignment, all the slide plates of the same type and manufactured from the same material under essentially similar conditions of manufacture shall be grouped together to constitute a lot.

A-1.2 For ascertaining the conformity of the lot to the requirements of the specification, tests shall be carried out for each lot separately. The number or slide plates to be selected at random for this purpose shall be in accordance with col 1 and 2 of Table 1.

TABLE 1 SCALE OF SAMPLING AND PERMISSIBLE NUMBER OF DEFECTIVES

(Clauses A-1.2, A-1.4 and A-2.1)

Number of Slide Plate	For Dimensions, Tolerances, Workmanship and Finish	
	Sample Size	Permissible Number of Defectives*
N (1)	n (2)	(3)
up to 15	5	0
16 to 40	8	0
41 to 110	13	0
111 to 300	20	1
301 to 500	32	1
501 to 800	50	2
801 to 1 300	80	3
1 301 and above	125	5

*This ensures that lots containing only 1.5 percent or if less defectives shall be accepted most of the time.

A-1.3 If the slide plates are packed individually, in order to ensure the randomness of selection, IS:4905-1968 'Methods for random sampling' shall be used.

A-1.4 If the slide plates are packed in different cartons, a suitable number of cartons (not less than 20 percent of the total in the lot subject to a minimum of 2) shall be chosen at random. From each of the cartons so chosen, an approximately equal number of slide plates shall be picked up from its different parts so as to obtain the required number of slide plate specified in col 2 of Table 1.

A-2. Number of Tests and Criteria for Conformity

A-2.1 The slide plates selected according to A-1.2 and A-1.3 or A-1.4 shall be examined for dimensions and tolerances (see 3), and workmanship (see 5). If the number of slide plates failing to meet one or more of the requirements mentioned above is less than or equal to the permissible number of defectives given in col 3 of Table 1, the lot shall be declared as conforming to the requirements of these characteristics.

EXPLANATORY NOTE

This standard has been prepared to verify and rationalize the types and sizes of sewing machines components for manufacturing in economic quantities.